

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Minoru KAMBEGAWA

Serial No.: 09/881,196

Filed: June 14, 2001



Batch:

Group Art Unit: 2121

Examiner:

For: ARITHMETIC DECODING METHOD AND DEVICE AND STORAGE MEDIUM

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on:

Date: 11-05-01By: Marc A. Rossi

Marc A. Rossi

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PRELIMINARY AMENDMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

In response to the requirement included in the Notice of Missing Parts dated August 9, 2001, please enter the following amendment:

IN THE ABSTRACT:

Please delete the present abstract and insert in place thereof:

Abstract of the Disclosure

A<sub>1</sub>  
An arithmetic decoding method and apparatus processes both binary image data and multi-level image data. When 4-bit image data is decoded, four complete sets of pairs of a more probable symbol and a state value or a probability estimate corresponding to pixels of four